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J. N. ALDINGTON, B.Sc., Ph.D., F.R.I.C., F.Inst.P., F.I.E.S., is a Director and Deputy Works Manager of Siemens Electric Lamps and Supplies Limited. He has twice been awarded the Leon Gaster Memorial Premium for theses on fluorescent light sources.

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E. N. da C. ANDRADE, D.Sc., Ph.D., F.R.S., has been Director in the Royal Institution of Great Britain and Director of the Davy Faraday Research Laboratory since 1st January, 1950. He was formerly Quain Professor of Physics in the University of London and is known for his fundamental work on the mechanical properties of solids and liquids.

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W. J. ARKELL, M.A., D.Sc., F.R.S., has held research fellowships at New College, Oxford (1933–40) and since 1947 at Trinity College, Cambridge. In 1944 he was awarded the Thompson Gold Medal of the United States National Academy of Sciences, and in 1949 the Lyell Medal of the Geological Society of London.

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WILSON BAKER, M.A., D.Sc., F.R.S., was appointed to the Chair of Organic Chemistry at the University of Bristol in 1945; he was formerly Fellow and Praelector in Chemistry at The Queen's College, Oxford. He is the author of many papers on a variety of organic chemical subjects, and has recently become particularly interested in non-benzenoid compounds of essentially aromatic type.

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H. GRAHAM CANNON, M.A., Sc.D., D.Sc., M.Sc., F.R.S., was appointed to the Chair of Zoology in the University of Sheffield in 1926, and in 1931 he was invited to the University of Manchester, where he has been ever since. He is a functional morphologist whose interests lie among the *Crustacea*.

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SIR JOHN COCKCROFT, C.B.E., M.A., Ph.D., Hon. LL.D. (Toronto), F.R.S., was appointed Director of the Royal Society Mond Laboratory at Cambridge in 1935. In 1944 he accepted the directorship of the Montreal Laboratory of the National Research Council of Canada, and became Director of the Chalk River Laboratories. In 1946 he became Director of the Atomic Energy Research Establishment at Harwell.

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JEAN ÉMILE COURTOIS was *Interne*, then *Chef de Service* in the hospitals of Paris, and is now professor (without chair) in the Paris Faculty of Pharmacy. Since 1930 he has worked with P. F. Fleury.

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C. A. CROMMELIN has been assistant, conservator, and vice-director of the Kamerlingh Onnes cryogenic laboratory. Until his recent retirement he was also Director of the National Museum for the History of Science in Leiden.

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R. DELABY, D.Sc., has been General Secretary of the International Union of Pure and Applied Chemistry since the end of 1945. Before this he was General Secretary of the Chemical Society of France from 1933 to 1940, and was its President in 1947.

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H. EPHRUSSI-TAYLOR, M.A., Ph.D., is working as *Chargé de Recherche* of the *Centre National de la Recherche Scientifique*, attached to the *Institut de Génétique* in Paris. Interested primarily in problems of heredity, she has centred her work on bacteria, with special reference to the transformation of pneumococci.

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DAVID S. EVANS, Ph.D., F.Inst.P., took up an appointment as Second Assistant at the Radcliffe Observatory, Pretoria, in 1948. During the war he was engaged at Oxford in research on physical problems relating to medicine.

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FAURÉ-FREMIET, E. Ecology of ciliate infusoria 183

E. FAURÉ-FREMIET was appointed to the Chair of Comparative Embryology at the *Collège de France* in 1928. His principal researches have been on infusoria and ciliates, a field in which he has published many original papers.

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PAUL FÉLIX FLEURY has carried out research on oxidation by per-iodic acid, on laccase, on inositol, and on analytical biochemistry, and since 1942 has occupied the Chair of Biochemistry in the Paris Faculty of Pharmacy.

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SIR CYRIL (SANKEY) FOX, D.Sc., F.G.S., F.R.A.S.B., joined the Geological Survey of India in 1911 and became its Director in 1939. He is particularly interested in water-supply problems and economic geology.

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R. J. GAUTHERET, D.Sc., was appointed Professor of Plant Biology at the Sorbonne in 1942. His researches are chiefly concerned with plant tissue culture, a subject in which he was one of the first to achieve success.

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MYRON GORDON, B.S., M.S., Ph.D., has been geneticist of the New York Zoological Society since 1940, and since 1946 has also worked as principal investigator on the project "Genetic and Correlated Studies of Normal and Atypical Pigment Cell Growth" sponsored by the U.S. Public Health Service.

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JOHN HAMMOND, C.B.E., M.A., D.Sc., F.R.S., was appointed Reader in Agricultural Physiology, University of Cambridge, in 1943. He is a member of the editorial board of the *Journal of Agricultural Science* and the *British Journal of Nutrition*.

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GEORG KIRCHNER was in the service of the amber works at Königsberg and Palmnicken, East Prussia, from 1900 to 1944. The first scientific classification and arrangement of all finds of amber fossils were in his hands as manager of the concern dealing with the preparation and sale of raw amber.

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G. LAPAGE, M.A., M.D., is engaged in research on parasitology at Cambridge and was recently appointed to the staff of the new department of veterinary studies as Lecturer in Animal Pathology.

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W. H. MCCREA, M.A., B.Sc., Ph.D., F.R.S.E., has been Professor of Mathematics in the University of London (Royal Holloway College) since 1944. He was Secretary of the Royal Astronomical Society from 1946 to 1949, and is the author of papers on relativity and astrophysics as well as on other branches of mathematics.

MELVILLE, H. W. The reactivity of free radicals in solution 98

H. W. MELVILLE, Ph.D., D.Sc., F.R.S., F.R.I.C., was appointed to the Mason Chair of Chemistry in the University of Birmingham in 1948. Previously he had been in Aberdeen, where he established the school of high-polymer chemistry, with concurrent and continuing interest in the mechanism of chemical reactions.

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F. A. PANETH, Ph.D., F.R.S., is head of the chemistry department and Director of the Londonderry Laboratory for Radiochemistry at Durham University. He is also President of the Joint Commission on Standards, Units, and Constants of Radioactivity of the International Council of Scientific Unions.

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JAMES PATON, M.A., B.Sc., F.R.S.E., is interested in atmospheric optical phenomena, and is engaged in research on aurora and luminous night clouds. He lectures on thermodynamics at Edinburgh University, and is Scottish Secretary of the Royal Meteorological Society.

POWELL, H. M. Molecular compounds 154

H. M. POWELL, B.Sc., M.A., was appointed Reader in Chemical Crystallography at Oxford in 1944, in charge of a reorganized department devoted to that subject. His most recent investigations have been on stable molecular compounds formed by the inert gases.

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PRINGSHEIM, E. G. The cultivation of algae 138

E. G. PRINGSHEIM, D.Phil., has published papers on plant physiology, and on the taxonomy and biology of flagellates. From 1923 to 1938 he was head of the department of plant physiology in the German University of Prague; he is now curator of the culture collection of algae and protozoa at the Botany School, Cambridge.

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E. G. RICHARDSON, B.A., Ph.D., D.Sc., is Reader in Physics at King's College, Newcastle-upon-Tyne (University of Durham). He has specialized in the physics of sound, and has written many books and papers on this subject.

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ERWIN SCHRÖDINGER, Dr.Phil., M.A., Sc.D., For.Mem.R.S., was awarded the Nobel Prize in 1933 for "Wave Mechanics," his main contribution to physics. He is at present at the Dublin Institute for Advanced Studies, and in this article he summarizes, for the first time for many years, his attitude towards current general views in physics.

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ANNE STEPHENSON has, since her marriage with Professor T. A. Stephenson in 1922, acted as her husband's assistant on several ecological surveys, and has published joint ecological papers with him.

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T. A. STEPHENSON, D.Sc., is Professor of Zoology in University College, Aberystwyth. He was in charge of the section of the Great Barrier Reef Expedition (1928–9) which studied shore ecology, and has published many papers on this subject.

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ERNEST TILLOTSON, M.Sc., F.G.S., F.R.A.S., is honorary secretary of the British Association Seismological Committee, and a member of the American Geophysical Union. He has published a number of papers on seismology and geophysics.

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S. TOLANSKY, Ph.D., D.I.C., D.Sc., F.R.A.S., was appointed to the Chair of Physics at the Royal Holloway College, London University, in 1947. Formerly (1939–45) he was a member of the staff of the physics department at Manchester University. For the past eight years he has developed new interferometric techniques for the study of surfaces, and for this work was awarded the Charles Vernon Boys prize by the Physical Society of London.

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K. R. WEBB, B.Sc., Ph.D., A.R.I.C., has been Lecturer in Chemistry, University College, Southampton, since 1939. He has published work on inorganic and physical chemistry, as well as on the history of chemistry, and has been local representative of The Chemical Society for the Southampton area since 1946.

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H. J. J. WINTER, M.Sc., Ph.D., A.Inst.P., F.R.Asiat.S., is Lecturer in Education (scientific method and history of science) in the University College of the South West, Exeter.

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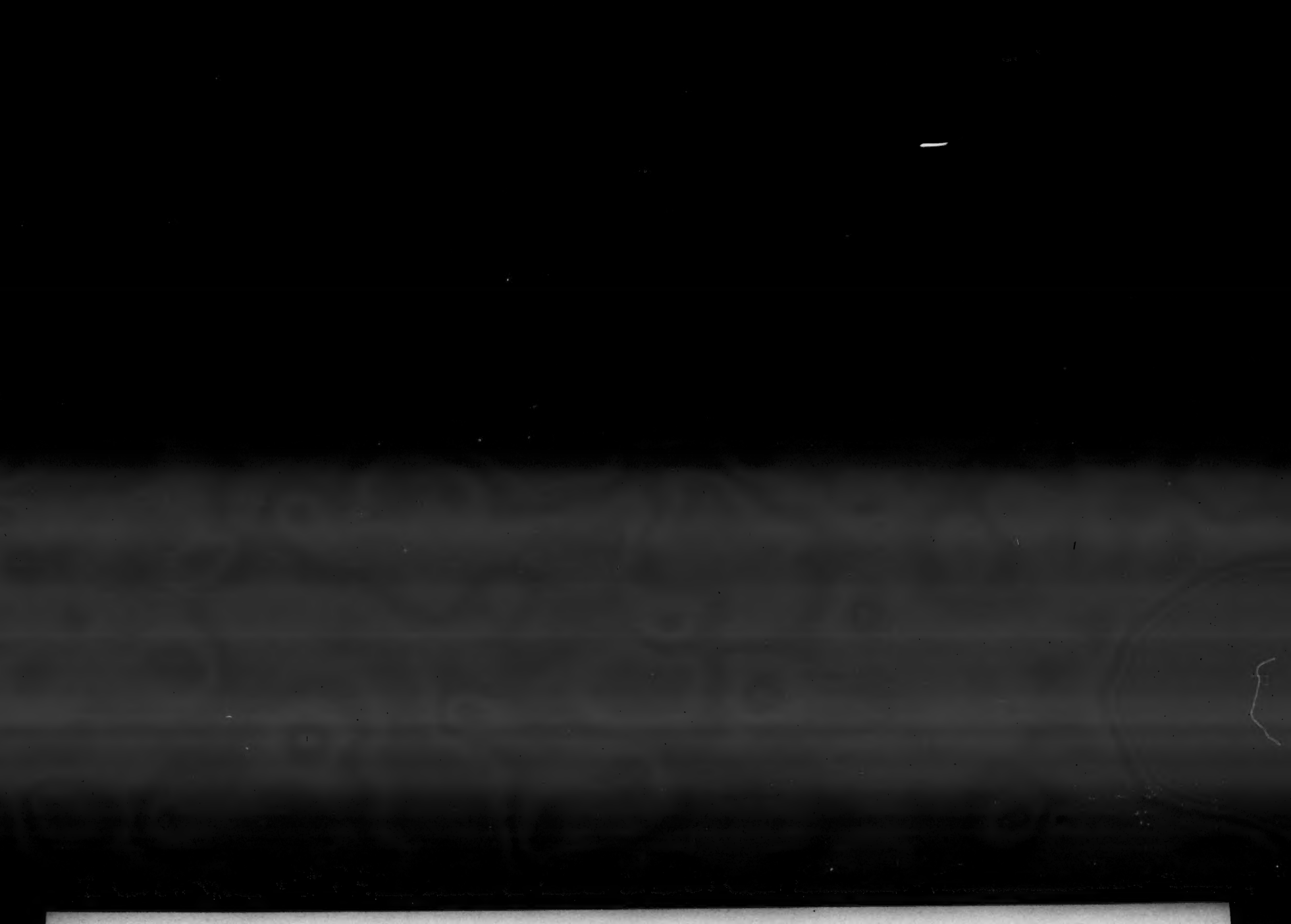
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